

# Comparisons of Job Characteristics

**Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)**

**Associated Occupation: Home Appliance Repairers (49-9031)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 35

**Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)**

**Associated Occupation: Home Appliance Repairers (49-9031)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Customer and Personal Service	11.3	16.0	10.0	<< Extensive education and/or training may be required
Sales and Marketing	5.2	11.8	3.3	<< Extensive education and/or training may be required
Mechanical	6.8	11.0	17.0	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 70

**Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)**

**Associated Occupation: Home Appliance Repairers (49-9031)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	12.7	8.4	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	11.9	8.4	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	11.8	8.7	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	11.1	7.5	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.0	9.6	< A higher skill level may be required
Equipment Selection	3.3	8.7	6.0	<< Extensive development of skills in this area may be required
Installation	1.7	7.0	5.5	< A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 87			
Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152) Associated Occupation: Home Appliance Repairers (49-9031)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	11.5	11.1	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	11.2	11.8	0	Current ability level may be sufficient
Visualization	7.5	11.0	11.2	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	10.6	7.2	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	10.4	10.6	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	9.8	7.7	<	Some improvement in abilities may be required
Extent Flexibility	4.8	9.7	11.5	>	Current ability level is likely sufficient
Trunk Strength	5.7	9.0	9.2	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92
Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152) Associated Occupation: Home Appliance Repairers (49-9031)		
Work Activities	Exclusivity of Activity	
Adhere to safety procedures	12	
Assemble and install pipe sections, fittings, or plumbing fixtures	71	
Clean equipment or machinery	20	
Cut, bend, or thread pipe for gas, air, hydraulic, or water lines	84	
Determine installation, service, or repair needed	58	
Estimate time or cost for installation, repair, or construction projects	54	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Install household appliances	92	
Install or replace meters, regulators, or related measuring or control devices	66	
Measure and mark reference points or cutting lines on workpieces	66	
Move or fit heavy objects	8	
Pressure test piping system or equipment for leaks	89	
Read blueprints	10	
Read specifications	23	
Read technical drawings	7	

Repair or replace malfunctioning or worn mechanical components	62
Use basic plumbing techniques	72
Use hand or power tools	2
Use oral or written communication techniques	1
Use pipe fitting equipment	80
Use pressure gauges	76
Use soldering equipment	44
Verify levelness or verticality, using level or plumb bob	72

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Plumbers, Pipefitters, and Steamfitters (47-2152)**  
**Associated Occupation: Home Appliance Repairers (49-9031)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.